STAR 713509.0002

B091F8-TMA-5853





## WESTINGHOUSE HANFORD COMPANY

Results of Analyses For:

ORGANICS & GENERAL CHEMISTRY
Case No. 08-060
(TMA/ARLI Work Order No. A3-08-060)

November 1, 1993



TMA Master Work Order N3-08-103

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ORD # N3-08-103 KEEP: 09/29/94 DISP: S 000002

DASH	SAMPLE	<b>IDENTIFICATION</b>	STORED	TESTS	
01A-W	B091F8		ARLI	: WH099	
	B091F8		ARLI	I WH099	
01C-W	B091F8	MSD	ARLI	: WH099	
01D-W	B091F8	DUP	ARLI	WH118	

RELEASED BY	DATE	TRANSFERRED TO	DATE	RECEIVED BY	DATE
eganamofo	8/25/93	ARLI	8/25/93	Offusis	8/26/93

200002A

Westinghouse Hanford Company

CHAIN OF CUSTODY

Custody Form Initiator

Company Contact PH BUTCHER

Project Designation/Sampling Locations 100-102-2

Ice Chest No. 000

Bill of Lading/Airbill No. 8519009/08

Method of Shipment EMERY

Shipped to TMA

Possible Sample Hazards/Remarks

Telephone (509) 376-5045

Collection Date 8/(7/97)

Field Logbook No. EFL-1076

Offsite Property No. W93-0-0718-2

Sample Identification

B091F8

Lu; 500 ML; 2; 1L; Gs; WATER; TPH(DIESEL RANGE)

L; L; 2; 1L; G; WATER; OIL AND GREASE(H2SO4 pH<2)

KT 9/17/93

[] Field Transfer of C	Chain of Possession			(Sign and Print Names)		
Relinquished By	Date	Time	Received By		Date	Time
6- Vrang / K Vapo F	5'5 8/17/93	0910	L. Sweener Sh	C Soveney	8/24/93	0890
Swine 1 L. SATE	00 8/29/93	0900	Jones 11	H. NARCISO	1-25-93	11:07
0,		4				
		Final Sample	Disposition			
Disposal Method:	Dispos	ed by:		Date/Time:		
Disposal Method:	Dispos		Disposition	Date/Time:		

<b>w</b>	Westinghouse Hanford Con	e npany

# SAMPLE ANALYSIS REQUEST

ollector K.	Lee, G. Hamilton		Date Sampled Time hours		
ompany Conta			Telephone (509) 376-5045		
	The state of the s	15	in the second second		
Sample Number	Number and Type of Sample Containers	Type of Sample	Analysis Requested		
091F8	2; 11; Gs 4; 500ml; 1+5	WATER	TPH (DIESEL RANGE)		
	2; 11; 6 1:26; G	WATER	OIL AND GREASE (H2SO4 pH < 2)		
	2; H; 6 1; 2L; G				
			·		
			3		
			OPC: W93-0-0718-2		
			BOL: 2579009108		
			TASK: 93-245		
Field Inform	ation				
Special Hand	lling and/or Storage				
Possible Sam	ple Hazards		·		
	F	ART II: LABORAT	ORY SECTION		
4		THE PERSON IN	V. 1. DEC 1. VI.		

Indicate whether sample is soil, sludge, water, etc.

Use back of page for additional information relative to sample location.

LAB NAME : TMA/ARLI	100010	tran			GE :OF
ECEIVED BY (PRINT NAME)	14 00 1	HARR	5	LOG-IN-DA	TE: 8-26-93
ECEIVED BY (SIGNATURE)	Caesle A	and			
	00		CORRES	SPONDING	
CE CHEST NO.		EPA SAMPLE	SAMPLE TAG	ASSIGNED LAB	REMARKS: CONDITION OF SAMPLE SHIPMENT, ET
REMARKS:					
. Custody Seal(s)	Present Absent*		B091F8	A308 060	
	Intact / Broken		B09151	A308061	
. Custody Seal Nos:			B091R3	A30806	
. Chain of Custody Records	Present Absent*				
• Traffic Reports or Packing List	Present Absent*				
. Airbill	Airbill / Sticker Present / Absent*				-
. Airbill No.:	28 9 15 3955			•	
. Sample Tags	Present   Absent*				
. Sample Tag Numbers	Listed / Not Listed on Chain of Custody				
. Sample Condition: (	Intect Broken* /				
0.Does information on custody records, traffic reports, and	Yes No*				
sample tags agree?					
					****
1.Date Recieved at Lab:	8-26-93				
2.Temp of ice chest	2 .		5		:
3.Time Recieved:	930				
SAMPLE TR	ANSFER				
raction:			-		
rea #:					
y:	••				
n:					

EXPRESS.	ONS? CALL 800-238-5355 TOLL FRE			AIRBILL PACKAGE TRACKING NUMBER	728915	3955
3095% 7289	COMPANIE OF THE PROPERTY OF	,		RECIPIEI	NT'S COPY	
From (Your Name) Please Print		Number (Very Important)  2.3.5 - 2.635  Department/Floor No.	2	ame) Please Print	Recipients F	hone Number (Very Important)
T M A NORLAL  Street Address  2030 URIGHT AVE		·	Exact Street Add	ress (We Sanhor Deliver to P.O. Box	STL	· · · · · · · · · · · · · · · · · · ·
P1 CHMOND YOUR INTERNAL BILLING REFERENCE INFORMAT	,	804	WE:17	IF HOLD FOR PICK-UP, Priot FE Street Address	CA. C	1101C
PAYMENT 1 Bill Sender 2 Bill Recipient's F  S Cash Check  SERVICES	edEx Acct. No. 3 Bill 3rd Party FedEx Acct. No.  DELIVERY AND SPECIAL HANDLING	O. 4 BH Credit I	YOUR DECLARED VALUE	City Emp. No.	State ZIP Red	ruired . Federal Express Use
Priority Overnight (Debrey by nutl business microrit)  11  PACKAGING PACKAGING  THER PACKAGING  THER PACKAGING	1 HOLD FOR PICK-UP (Fill in Box H) 2 DELIVER WEEKDAY	1	(See April)	Cash Received Return Shipment Third Party Chy Street Address	, To Del. Chg. To Hold	Base Charges Declared Value Charge
16 → FEDEX LETTER * 56	3 DELIVER SATURDAY (Earls change)  4 DAMGEROUS GOODS (Exira change) 5 DRY ICE Changerous Goods Shipper's Declaration not require	Total Total	Total	City Received By:	State Zip	Other 1 Other 2 Total Charges
TEUEX TUBE   SW   TEUEX TUBE	Oyina (LUFING). X he see I	DIM SHIPMENT (Cha	, lbs.	X Date/Time Received F.	edEx Employee Number	REVISION DATE 11/92 PART #137204 FXEM 3/93 FORMAT #155
The pound economy rate. Local FREIGHT =   TO VERHIGHT =  Control representation of  TO better the pound of  To better the poun	9 SATURDAY PICK-UP (Entra charge)  12 MOLIDAY DELATERY (II observe) (Entra charge)	Receiv		Release Signature:	٠	Q 1992-93 FEDEX PAINTED IN U.S.A.

# GENERAL CHEMISTRY RESULTS

CASE NO. 08-060

Water Sample #:

B091F8

## CASE NARRATIVE

No problems were encountered during sample analysis. All QC results were acceptable.

Maureen Parrish

Maureen Parrish

REPORT

Work Order # A3-08-060

Received: 08/25/93

02 LCS

02 Fuels Blank

10/04/93 14:30:07

REPORT	Westinghouse Hanford Compar	1Y	PREPARED Thermo Analytical, Inc.	
10	2355 Stevens Dr., MSIN-H4-23		BY 160 Taylor Street	- m 0 `
	345 Hills Street/3000 Area		Monrovia, CA 91016	Maureen Parrie
	Richland, WA 99352			CERTIFIED BY
ATTEN	Jeanette Duncan		ATTEN Ms. Carole Harris	_
			PHONE 818-357-3247	CONTACT MKP CIH
CLIENT	WHC SAMPLES	2		
	Westinghouse Hanford Compan		This report is for the sole and excl	usive use of the client
			to whom it is addressed and represen	
			herein described. Samples not destr	
			tained a maximum of 30 days unless o	
MORK ID	100-NR-2		•	
	By Westinghouse Staff			
	Federal Express			
	Liquid			
	N3-08-103-SU-AR			
INVOICE	under separate cover			
DAMBI			TEST CODES and NAMES used	on this workerder
	E IDENTIFICATION	14557		on this workerder
01 B091F			8015M (Extractable) form 3	
01 B091F			EPA 8015M EXTRACT.	
01 B091F	8 MSD BI	KSUM	Method Blank Summary	
01 B091F		L GR	Oil and Grease - gravimet.	
01 B091F	8 Duplicate W	CLPL	Anions & Wet Chem.	
2 Wet C	hwmistry Blank W	CLCS	Lab Control Sample Summary	

WCQCD Quality Control Summary

800000

REPORT Work Order # A3-08-060

Results by Sample

SAMPLE ID BO91F8

Received: 08/25/93

FRACTION 01D TEST CODE WCCLPL NAME Anions & Wet Chem. Date & Time Collected 08/17/93 Category

ANIONS AND WET CHEMISTRY - LIQUIDS METHOD ANALYSIS RESULT UNITS LIMIT Oil and Grease 9070 <5 5 mg/L

FORM I

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9713509.0011 CASE NARRATIVE

LABORATORY : TMA/ARLI

CASE: 08-060

CONTRACT ID : WESTINGHOUSE HANFORD COMPANY

SDG RECEIPT DATE: August 25, 1993 \*

### 1.0 DESCRIPTION OF CASE :

One water sample was analyzed for Total Petroleum Hydrocarbons (Diesel Range) according to USEPA SW846 Method 8015 Modified.

### 2.0 SAMPLE LIST :

WESTINGHOUSE ID	LAB ID	REQUESTED	MATRIX
B091F8	A3-08-060-01A	TPH	WATER
B091F8 MS	A3-08-060-01B	TPH	WATER
B091F8 MSD	A3-08-060-01C	TPH	WATER

TPH by 8015 Modified

#### 3.0 COMMENTS:

### 3.1 SHIPPING AND DOCUMENTATION:

All of the samples were received unbroken and properly documented.

#### 3.2 ANALYSIS

## 3.2.1 TOTAL PETROLEUM HYDROCARBONS ANALYSIS COMMENTS:

## SEQUENCE NOTES :

The sequence was started on 09/16/93 and was analyzed according to the SW-846 Method 8015M. Five different concentrations of Diesel were injected as part of the initial calibration. The %RSD in the sequence was below the 20% QC limit. The %D in both of the continuing calibrations were below the 15% advisory QC limit.

### LOW LEVEL WATER :

The samples were extracted and analyzed within the SW-846 holding times. No extractable hydrocarbons in "Diesel range" were detected in the samples. Sample B091F8 was spiked with 50 mg/L of Diesel. The spike recoveries ranged from 60% to 80%. A blank spike was also prepared, and had an 84% recovery.

All of the results were within the QC criteria specified by the SW-846 Method 8015M.

We certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data in this hardcopy data package is authorized by the Laboratory Manager or his designee, as verified by the following signature.

Program Manager

Wida Ang Dominics Manager

000019

THA IDC

REPORT

Work Order # A3-08-060

Received: 08/25/93

SAMPLE ID BO91F8

Results by Sample

FRACTION 01A TEST CODE 8015MS NAME EPA 8015M EXTRACT.

Date & Time Collected 08/17/93 Category

MODIFIED 8015 - EXTRACTABLE FUEL HYDROCARBONS

Matrix: WATER

Date Analyzed: 09/23/93

Dilution factor: 1.00

Concentration Units: mg/L

Compound	Sample Result	PQL
Kerosene Ra	nge NA	NA
C10 - C16 Jet Fuel Ra	nge NA	NA
C9 - C22 Diesel Ra	nge ND	2.0
Hydraulic Ra	nge NA	NA

ND = Not detected at the specified limits

Form I

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